

1     What is claimed is:

- 2     1. An illumination assembly usable with a device for illuminating  
3         a predetermined work area thereof, said illumination assembly  
4         comprising:  
5             a) a light source comprising at least one light generating  
6                 element,  
7             b) a power supply electrically connected to said light  
8                 source,  
9             c) a mounting assembly connected in supporting relation to  
10                 at least said light source, and  
11             d) said mounting assembly structured to adjustably secure  
12                 said light source on the device in a position which  
13                 facilitates illumination of the predetermined work area.  
14     2. An illumination assembly as recited in claim 1 wherein said  
15         mounting assembly is structured to adjustably secure said  
16         light source in any of a plurality of positions on the device  
17         so as to selectively vary the illumination of the  
18         predetermined work area.  
19     3. An illumination assembly as recited in claim 1 wherein said  
20         mounting assembly is structured for movable and removable  
21         disposition of said light source on the device.  
22     4. An illumination assembly as recited in claim 1 wherein said  
23         one light generating element comprises an LED.  
24     5. An illumination assembly as recited in claim 4 wherein said  
25         light source comprises a plurality of LED's.

- 1       6. An illumination assembly as recited in claim 5 wherein at
- 2               least one of said plurality of LED's is adjustably
- 3               positionable relative to a remainder of said plurality of
- 4               LED's.
- 5       7. An illumination assembly as recited in claim 4 wherein said
- 6               LED is movably interconnected to said mounting assembly and
- 7               selectively positionable along at least relatively transverse
- 8               axes.
- 9       8. An illumination assembly as recited in claim 4 wherein said
- 10               light source comprises a connector member interconnecting said
- 11               LED in outwardly spaced relation to said mounting assembly.
- 12       9. An illumination assembly as recited in claim 8 wherein said
- 13               connector member comprises an elongated configuration and is
- 14               at least partially formed from a pliable material.
- 15       10. An illumination assembly as recited in claim 9 wherein said
- 16               connector member comprises an electrical conductor between
- 17               said LED and said power supply.
- 18       11. An illumination assembly as recited in claim 1 wherein said
- 19               power supply is supported on said mounting assembly
- 20               substantially adjacent to said light generating member.
- 21       12. An illumination assembly as recited in claim 1 further
- 22               comprising a support platform secured to said mounting
- 23               assembly in supporting relation to both said light source and
- 24               said power supply.
- 25       13. An illumination assembly as recited in claim 1 further

- 1       comprising an interface at least partially formed of  
2       conductive material and structured to detachably and  
3       electrically connect said power supply to said light source.
- 4       14. An illumination assembly as recited in claim 13 wherein said  
5       interface comprises a plug-in connector assembly.
- 6       15. An illumination assembly as recited in claim 13 wherein said  
7       light source comprises a plurality of light generating  
8       elements, each of which are respectively interconnected to  
9       said power supply by said interface.
- 10      16. An illumination assembly as recited in claim 1 wherein said  
11       light source further comprises an extension assembly extending  
12       outwardly from said mounting assembly and including an  
13       elongated neck and a mount secured to one end of said neck.
- 14      17. An illumination assembly as recited in claim 16 wherein said  
15       light source comprises at least one light element disposed on  
16       said neck substantially adjacent an outer portion thereof.
- 17      18. An illumination assembly as recited in claim 16 wherein said  
18       light source comprises a plurality of light generating  
19       elements extending along a length of said neck in outwardly  
20       spaced relation to said mounting assembly.
- 21      19. An illumination assembly as recited in claim 16 wherein said  
22       neck comprises a substantially angular configuration along at  
23       least a portion of its length.
- 24      20. An illumination assembly as recited in claim 1 wherein said  
25       mounting assembly comprises a sleeve having a peripheral wall

- 1        terminating in opposite, open ends and disposed in surrounding  
2        relation to a hollow interior of said sleeve.
- 3        21. An illumination assembly as recited in claim 20 wherein said  
4        sleeve is formed of a flexible material and is disposable in  
5        surrounding relation to a substantially correspondingly  
6        dimensioned portion of the device.
- 7        22. An illumination assembly as recited in claim 21 wherein said  
8        sleeve is formed of an at least partially resilient material.
- 9        23. An illumination assembly as recited in claim 20 wherein said  
10      sleeve is formed of an at least partially rigid material.
- 11      24. An illumination assembly as recited in claim 20 wherein said  
12      peripheral wall comprises a closed, continuous configuration  
13      between said opposite open ends thereof.
- 14      25. An illumination assembly as recited in claim 20 wherein said  
15      peripheral wall further comprises an access opening formed  
16      along a length thereof and a closure assembly disposed along  
17      a length of said access opening.
- 18      26. An illumination assembly as recited in claim 25 wherein said  
19      access opening and said closure assembly are cooperatively  
20      disposed and structured to orient said peripheral wall between  
21      an open position and a closed position.
- 22      27. An illumination assembly as recited in claim 26 wherein said  
23      open position is at least partially defined by substantially  
24      transverse placement of the device through said access opening  
25      and into said hollow interior.

- 1       28. An illumination assembly as recited in claim 20 wherein said
- 2              light source is disposed on an exterior of said sleeve and
- 3              movable therewith relative to the device.
- 4       29. An illumination assembly as recited in claim 28 wherein said
- 5              light source comprises a plurality of LED's at least one of
- 6              which defines said one light generating element.
- 7       30. An illumination assembly as recited in claim 1 wherein said
- 8              mounting assembly comprises a clamp assembly including a
- 9              platform and a plurality of flanges extending outwardly from
- 10             said platform and at least partially movable relative thereto,
- 11             said flanges disposable in gripping, at least partially
- 12             enclosing relation to the device.
- 13       31. An illumination assembly as recited in claim 30 wherein said
- 14              clamp assembly further comprises a biasing structure disposed
- 15              in biasing relation to said flanges and structured to normally
- 16              force said flanges into said gripping engagement with the
- 17              device.
- 18       32. An illumination assembly as recited in claim 31 wherein said
- 19              biasing structure comprises a spring member connected in
- 20              biasing relation to said flanges.
- 21       33. An illumination assembly as recited in claim 31 wherein said
- 22              biasing structure is inherently formed in said clamp assembly
- 23              and is at least partially defined by a configuration of said
- 24              platform and said flanges and a material from which said
- 25              platform and said flanges are formed.

- 1       34. An illumination assembly as recited in claim 30 wherein said
- 2              platform comprises a housing, wherein at least said power
- 3              supply is mounted on said housing.
- 4       35. An illumination assembly as recited in claim 34 wherein both
- 5              said light source and said power supply are mounted on said
- 6              housing.
- 7       36. An illumination assembly as recited in claim 35 wherein said
- 8              housing comprises an at least partially hollow interior, said
- 9              one light generating element and said power supply mounted
- 10             adjacent opposite ends of said housing.
- 11      37. An illumination assembly as recited in claim 34 wherein said
- 12              light source is mounted on said platform is spaced relation to
- 13              said housing.
- 14      38. An illumination assembly as recited in claim 37 wherein said
- 15              light source comprises a plurality of LED's mounted on said
- 16              platform, at least one of said LED's being selectively
- 17              adjustable relative to said clamp assembly.
- 18      39. An illumination assembly usable with any one of a plurality of
- 19              devices for illuminating a predetermined work area of the
- 20              device, said illumination assembly comprising:
- 21          a) a mounting assembly movably and removably connected to
- 22              the device,
- 23          b) a light source comprising at least one LED supported on
- 24              the mounting assembly and movable therewith relative to
- 25              the device,

1           c) a power supply supported on the mounting assembly and  
2                 electrically connected to said light source, and  
3           d) said light source and said mounting assembly  
4                 cooperatively structured to facilitate adjustable  
5                 positioning of said light source on the device and  
6                 selective orientation of said LED relative to the work  
7                 area of the device.

8       40. An illumination assembly as recited in claim 39 wherein said  
9                 one LED is movably connected to said mounting assembly and  
10                 disposable in a plurality of different illuminating  
11                 orientations relative to the work area.

12      41. An illumination assembly as recited in claim 39 wherein said  
13                 light source comprises a plurality of LED's, at least one of  
14                 said plurality of LED's is movable relative to a remainder of  
15                 said plurality of LED's into a plurality of different  
16                 illuminating orientations relative to the predetermined work  
17                 area.

18      42. An illumination assembly as recited in claim 39 wherein said  
19                 mounting assembly comprises a sleeve having a peripheral wall  
20                 terminating in opposite open ends and disposed in surrounding  
21                 relation to a hollow interior of said sleeve.

22      43. An illumination assembly as recited in claim 42 wherein said  
23                 sleeve is formed of a flexible, at least partially resilient  
24                 material and is disposable in surrounding relation to  
25                 substantially correspondingly dimensioned portions of the

1 device.

2 44. An illumination assembly as recited in claim 42 wherein said  
3 sleeve is formed of at least partially rigid material.

4 45. An illumination assembly as recited in claim 39 wherein said  
5 mounting assembly comprises a clamp assembly including a  
6 platform and a plurality of flanges extending outwardly  
7 therefrom, a biasing structure disposed in biasing relation to  
8 said flanges and structured to normally force said flanges  
9 into gripping engagement with the device.

10 46. An illumination assembly as recited in claim 39 wherein said  
11 light source further comprises an extension assembly including  
12 a neck extending outwardly from said mounting assembly and  
13 including at least one element disposed on said neck adjacent  
14 an outer portion thereof.

15 47. An illumination assembly as recited in claim 46 wherein said  
16 light source comprises a plurality of light emitting diodes  
17 extending continuously along a length of said neck in  
18 outwardly spaced relation to said mounting assembly.

19 48. An illumination assembly as recited in claim 39 wherein said  
20 LED is both rotationally and pivotally connected to said  
21 mounting assembly.